

Patent Abstracts of Japan

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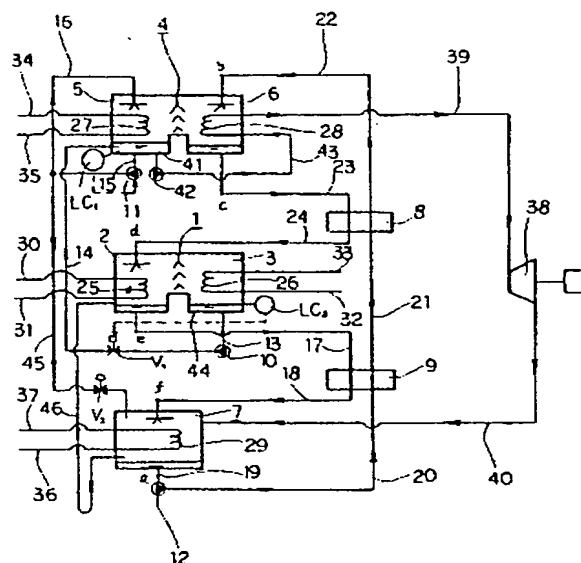
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TITLE : ABSORPTION HEATPUMP FOR
TAKING OUT POWER



ABSTRACT : PURPOSE: To increase the pressure difference across an expansion machine thus to take out large power by coupling an expansion machine in Rankine cycle respectively to an absorber in absorption heatpump system and a low temperature absorber.

CONSTITUTION: The absorption heatpump system is constructed with a condenser 1, an evaporator/absorber 4 and a low temperature absorber 7. The outlet of an unit 28 to be heated contained in a steam absorber 4 is coupled to the inlet of an expansion machine 38 in Rankine cycle. While the outlet of the expansion machine 38 is coupled to the low temperature absorber 7. The inner pressure of low temperature absorber 7 can be made lower than that in the condenser 3. Since the pressure difference across the expansion machine can be maintained high, larger power can be taken out.

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